

Original/Duplicate/Triplicate  
CONTRACT CERTIFICATE

No. 1st & Final Bill

(For Other Works)

Date: 17/4/16-17, dt-19/10/16

Zone: BBMP, Yalahanka

Division: BBMP, Byatarayanapura

Sub-Division: BBMP, Kodigehalli

Bill Received No. 612 Dated 17/4/16 Divisional Sub-Divisional

Cash Book Voucher No. Dated Job Code: 008-14-000045

Schedule Docket No. Head of Account: P1802 Est. Cost: Rs. 4.99 Lakhs

D.R. NO.:

Name of Work : Emergency Water Supply to Drilling of Borewells, Erection of Pump Motor in Devinagara Ward No. 8 , Kodigehalli sub division

AS No.: ADC/YNK/BBMP/512/13-14 dtd. 23.12.2013

TS No.: EE/BTP/BBMP/259/13-14 dtd 23.12.2013

Name of Contractor and Full Address: KRIDL (Karnataka rural infrastructure development limited), Malleshwarm, Bangalore

Reference to No. EE/BTP/KRIDL/W.O/569/2013-14

Date: 28.02.2014

Certified that the measurements were taken by me on: 3/10/16 and recorded of Pages 190344 to 190351 of measurement Book No. 1904/2012-13 and that work is satisfactorily executed.

Contractor Certified that measurement were taken by me on 3/10/16 /2015 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use in the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

- 1) Total value of work done or supplies made as per account within
- 2) Deduct amount to be held in reserve being Percent Rs.
- 3) " " Balance
- 4) Deduct Payment:

- a) Amount of previous payment as in the Office Cash Book Voucher No. Dated S.D.No. adjusted towards cash advance recovery of
- b) Payments cost store or other material supplied. Now made recovery of amount creditable to this /other work Amount paid on this bill Cheque/Cash.

- 5) Balance being unpaid value of work done held in reserve.
- 6) Deduct cash advance made on the Office cash Book Voucher No. dated less adjustments.
- 7) Net amount due to or from Contractor unadjusted items.
- 8) Advance to Contractor for materials brought to site (as detailed) within
- 9) Value of Government materials supplied.

Sub-Division Officer  
Assistant Executive Engineer  
Kodigehalli Sub Division,  
Yalahanka Zone, B.B.M.P.,  
Bangalore.

|        |           |               |
|--------|-----------|---------------|
| Amount | Total     | 481188 - 00   |
|        | ST -      | 9624 - 00     |
|        | VAT -     | 19248 - 00    |
|        | Cen -     | 4812 - 00     |
|        | C3F -     | 481 - 00      |
|        | FSD -     | 24059 - 00    |
|        | Penalty - | 1500 - 00     |
|        | Adj -     | 59724 - 00    |
|        | Change -  | 4.21.464 - 00 |

Contractor's Signature

Received Rs. (in words)

by cash and by adjustment of Payment as per memorandum  
(in final settlement of all demands)

Witness

1  
2

Dated Signature of Contractor

Paid by me by Cheque No. KRIDL, BBMP, Bangalore Dated 28/2/14

Cash Rs. 421464 - 00

Dated

Initials of Officer making payment

Assistant Executive Engineer  
(For use in the Office)  
Byatarayanapura Sub-division  
KRIDL, BBMP, Bangalore

Stamp

481188

59724 - 00

421464 - 00

Executive Engineer

28/2/14

| Sl. No. | Items grouped under sub-Heads and Sub-Works of the Estimate Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Unit |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1       | Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS or P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work | Each |
| 2       | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 0 to 50 m                                                                                                                                                                                                                                                                                                                                                                                             | Rmtr |
| 3       | 50 to 100 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rmtr |
| 4       | 100 to 150 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rmtr |
| 5       | 150 to 200 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rmtr |
| 6       | 200 to 250 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rmtr |
| 7       | Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Rmtr |
| 8       | Additional rate on item No.2 is allowed for drilling in over burden and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.287 is allowed etc., complete and as per the directions of the Engineer in charge of the work Above 20 mtrs and Upto 30 mtrs at                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Mtrs |
| 9       | Above 30 mts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Mtrs |
| 10      | Providing 175mm dia MS Collar etc complete and as per the directions of the Engineer charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Each |
| 11      | Providing 175mm dia MS Cap etc complete and as per the directions of the Engineer charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Each |
| 12      | Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return valve etc. complete . The pump and motor shall form an integral unit with all the required fittings 10.00 HP 20 stage.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                   | No   |
| 13      | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Mtrs |

| Present Measurement |                |          | Total Upto Date |          |
|---------------------|----------------|----------|-----------------|----------|
| Qty                 | Rate<br>Rs. P. | Amount   | Qty             | Cost     |
| 1                   | 1900.00        | 1900.00  | 1               | 1900.00  |
| 50                  | 287            | 14350.00 | 50              | 14350.00 |
| 50                  | 379            | 18950.00 | 50              | 18950.00 |
| 50                  | 422            | 21100.00 | 50              | 21100.00 |
| 50                  | 464            | 23200.00 | 50              | 23200.00 |
| 50                  | 513            | 25650.00 | 50              | 25650.00 |
| 17                  | 1325           | 22525.00 | 17              | 22525.00 |
| 10                  | 43.05          | 431.00   | 10              | 431.00   |
| 10                  | 86.10          | 861.00   | 10              | 861.00   |
| 8                   | 150            | 1200.00  | 8               | 1200.00  |
| 1                   | 100            | 100.00   | 1               | 100.00   |
| 1                   | 52000.00       | 52000.00 | 1               | 52000.00 |
| 500                 | 151.00         | 75500.00 | 500             | 75500.00 |

9/8/00

Assistant Executive Engineer.  
Kodigehalli Sub Division,  
Yelahanka Zone, B.B.M.P.,  
Bangalore.

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 14 | Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads etc., complete and as per the direction of the Engineer in charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Nos  |
| 15 | Supplying and fixing 50mm GM Gate Vavle etc., complete and as per the directions of the Engineer in charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Nos  |
| 16 | Supplying and fixing 160mm Borewell cap with clampset etc., complete and as per the directions of the Engineer in charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Nos  |
| 17 | Supplying and fixing 50mm GI union etc., complete and as per the directions of the Engineer in charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Nos  |
| 18 | Supplying and fixing 50mm GI Elbow etc., complete and as per the directions of the Engineer in charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Nos  |
| 19 | Supplying and fixing 50mm GI collar Heavy duty etc., complete and as per the directions of the Engineer in charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Nos  |
| 20 | Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset 10HP to 20 HP Star Delta Starter SERDED Rate with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work | Nos  |
| 21 | Providing and fixing of 50mm G.I pipe 'C' class heavy duty foe erection of submersible pumset etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mtrs |
| 22 | Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc., complete and as per the directions of the Engineer-in charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Nos  |
| 23 | Supplying of TPST with rewirable porceain channela in SM encloser etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Nos  |
| 24 | Supplying and fixing 500x500x65 polished wood board made up not less than 15mm thick plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Nos  |
| 25 | Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group 'B' etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Nos  |
| 26 | Supplying heavy gauge PVC insulated 650/100 V grade wire in the conduct (Open or concealed system of wring) 7/20 or 7/36 copper wire etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Nos  |
| 27 | Supplying fixing and wiring heavy duty low voltage capactiors confirming to I 2834, 3 PHASE 400/440 Voltes grade for power factor improvement of rotating machinery capacitor in KVAR rating Nos 2 KVAR Capacity etc., complete and as per the directions of the Engnieer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Nos  |
| 28 | Supplying fixing andminiature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required etc., complete and as per the directions of the Engnieer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Nos  |
| 29 | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                | Nos  |
| 30 | Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole. etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Nos  |
| 31 | Supplying of 1.1 KV LT UG cable BESCOM pole to panel board including earth work and restoratio 4 core 16 sqmm etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mtrs |

|       |          |          |     |          |
|-------|----------|----------|-----|----------|
| 1     | 1530.00  | 1530.00  | 1   | 1530.00  |
| 1     | 1430.00  | 1430.00  | 1   | 1430.00  |
| 1     | 690.00   | 690.00   | 1   | 690.00   |
| 1     | 245.00   | 245.00   | 1   | 245.00   |
| 2     | 120.00   | 240.00   | 2   | 240.00   |
| 35    | 1350.00  | 47250.00 | 35  | 47250.00 |
| 1     | 10000.00 | 10000.00 | 1   | 10000.00 |
| 228   | 402.75   | 91827.00 | 228 | 91827.00 |
| 1     | 475.00   | 475.00   | 1   | 475.00   |
| 1     | 1350.00  | 1350.00  | 1   | 1350.00  |
| 1     | 275.00   | 275.00   | 1   | 275.00   |
| 3     | 350.00   | 1050.00  | 3   | 1050.00  |
| 20    | 25.00    | 500.00   | 20  | 500.00   |
| 1     | 350.00   | 350.00   | 1   | 350.00   |
| 1     | 1075.00  | 1075.00  | 1   | 1075.00  |
| 1     | 1500.00  | 1500.00  | 1   | 1500.00  |
| 5     | 220.00   | 1100.00  | 5   | 1100.00  |
| 15.00 | 150.00   | 2250.00  | 15  | 2250.00  |

*GPR*

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 32 | Labour charges for laying of 1.1 KV class UG cable when supplied by agencies in existing trenches GL pipe/stoneware pipe/on pole as required etc, complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                             | Mtrs |
| 33 | Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required level and consolidating etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                                                                                                                 | Mtrs |
| 34 | Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                          | Nos  |
| 35 | Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                                        | Nos  |
| 36 | Bescom deposit Charges                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |
| 37 | Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading danger lighting etc., in the Asphalt surface road etc., complete and as per the directions of the Engineer in chrg of the work                                                                                                                                                                                                                    | Cum  |
| 38 | Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading danger lighting etc., in the cement concrete road etc., complete and as per the directions of the Engineer in chrg of the work                                                                                                                                                                                                                    | Cum  |
| 39 | Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete and as per the directions of the Engineer in chrg of the work           | Cum  |
| 40 | Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and includng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation etc., complete PVC pipes of 6kg/Sqm 75mm Diaetc., complete and as per the directions of the Engineer-in-charge of the work | Rmtr |
| 41 | Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. including etc., complete and and as per the directions of the Engineer-in-charge of the work                                                                                                                                                                             | Cum  |
| 42 | Disposing of excavated earth to the final place of disposal with all lead and lift and as directed by the etc., complete and as per the directions of the Engineer-in charge of the work (Lead up to 15.00 KM)                                                                                                                                                                                                                                                         | Cum  |
| 43 | Transportation of pumping machneries etc., complete and as per the directions of the Engineer-in charge of the work                                                                                                                                                                                                                                                                                                                                                    | days |
| 44 | Erection of Pumping machneries etc., complete and as per the directions of the Engineer-in charge of the work                                                                                                                                                                                                                                                                                                                                                          | Rmt  |
|    | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |
|    | <b>KRIDL charges @ <del>12%</del> (10+1+1) <math>8+1=9\%</math> Add ✓</b>                                                                                                                                                                                                                                                                                                                                                                                              |      |
|    | <b>Grand Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |

**CRTIFICATE:**

1. Certified that the above work done satisfactory and no materials issued from Departmentally

|       |           |           |         |           |
|-------|-----------|-----------|---------|-----------|
| 15.00 | 5.00      | 75.00     | 15      | 75.00     |
| 10    | 50.00     | 500.00    | 10      | 500.00    |
| 1     | 240.00    | 240.00    | 1       | 240.00    |
| 6     | 219.00    | 1314.00   | 6       | 1314.00   |
| 1     | 10000.00  | 10000.00  | 1       | 10000.00  |
| 0.15  | 237.44    | 36.00     | 0.15    | 36.00     |
| 1.8   | 497.14    | 895.00    | 1.8     | 895.00    |
| 3.60  | 198.22    | 714.00    | 3.6     | 714.00    |
| 40    | 117.00    | 4680.00   | 40      | 4680.00   |
| 3.6   | 53.00     | 191.00    | 3.6     | 191.00    |
| 1.95  | 106.85    | 208.00    | 1.95    | 208.00    |
| 1     | 850.00    | 850.00    | 1       | 850.00    |
| 1     | 850.00    | 850.00    | 1       | 850.00    |
|       |           | 441457.00 |         | 441457.00 |
|       | 39731-    | 52975.00  | 39731-  | 52975.00  |
|       | 4-81,188- | 494432.00 | 487188- | 494432.00 |

422679-

GND

P. S. S.

Assistant Executive Engineer,  
Kodigehalli Sub Division,  
Yelahanka Zone, B.B.M.P.,  
Bangalore.